



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	IECEx LCI 10.0039	issue No.:	2	Certificate history:
Status:	<b>Current</b>			Issue No. 2 (2012-8-8) Issue No. 1 (2011-1-19) Issue No. 0 (2010-11-8)
Date of Issue:	<b>2012-08-08</b>		Page 1 of 4	
Applicant:	<b>TIGER VAC INTERNATIONAL INC.</b> 2020 Dagenais Blvd. West Laval, Quebec H7L 5W2 Canada			
Electrical Apparatus:	<b>Vacuum Cleaner</b>			
Optional accessory:				
Type of Protection:	<b>d and t</b>			
Marking:	TIGER VAC INTERNATIONAL Inc. Address : ... Type : EXP1-xx (yy) Serial number : ... Year of construction : ... Ex d IIA T4 Gb Ex t IIIC T120°C Db IP65 IECEx LCI 10.0039 WARNING – DO NOT OPEN WHEN ENERGIZED.			
Approved for issue on behalf of the IECEx Certification Body:	Julien GAUTHIER			
Position:	Certification Officer			
Signature: (for printed version)				
Date:	<u>2012-8-8</u>			

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:  
**Laboratoire Central des Industries Electriques (LCIE)**  
33 Avenue du General Leclerc  
FR-92260 Fontenay-aux-Roses  
France

Documents relative to LCIE certification activities (Certificates,  
QARs, ExTRs) can be registered under the references "LCI" or  
"LCIE".



LCIE



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Manufacturer: **TIGER VAC INTERNATIONAL INC**  
2020 Dagenais Blvd. West  
Laval, Quebec H7L 5W2  
Canada

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

- IEC 60079-0 : 2007-10** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition: 5
- IEC 60079-1 : 2007-04** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition: 6
- IEC 60079-31 : 2008** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'  
Edition: 1

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

#### Test Report:

FR/LCI/ExTR10.0042/00

FR/LCI/ExTR10.0042/03

#### Quality Assessment Report:

FR/LCI/QAR10.0008/00

FR/LCI/QAR10.0008/01

FR/LCI/QAR10.0008/02



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The equipment is a vacuum cleaner intended to be used in explosive atmospheres.

Equipment type is EXP1-xx (yy), xx is used to designate de size of recovery tank and yy to designate the type of optional transportation system or tank.

Electrical components are approved monophase flameproof motor, control station and cable gland.

Models are:

EXP1-25(IT); EXP1-25(HRS); EXP1-25 (AC); EXP1-20L (DT); EXP1-10 (DT); EXP1-10( 4W);  
EXP1-15 (4W); EXP1-15 (TC); EXP1-25 (TC); EXP1-35L (DT); EXP1-40L (4W); EXP1-55 (TC);EXP1-IT  
(HYC).

Certified electrical apparatus used are:

- Motor: Ametek Lamb; type 122055-00
  
- Control station: A.D. Vigano srl; type EFDCS series
  
- Cable gland: EL.FIT S.p.A.; type FG

### CONDITIONS OF CERTIFICATION: NO



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 01 : Modification of model references and standard IEC 60079-1 edition.

Issue 02 : Normative update according to standards IEC 60079-0, Ed 5 ; IEC 60079-1, Ed 6 ; IEC 60079-31, Ed 1.